



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/621,935	07/17/2003	Paul Anthony Ashley	AUS920030327US1	2329
63400	7590	11/24/2009	EXAMINER	
IBM CORP. (DHJ)			DINH, MINH	
c/o DAVID H. JUDSON				
15950 DALLAS PARKWAY			ART UNIT	
SUITE 225			PAPER NUMBER	
DALLAS, TX 75248			2432	
			MAIL DATE	
			DELIVERY MODE	
			11/24/2009	
			PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/621,935	<b>Applicant(s)</b> ASHLEY ET AL.	
	<b>Examiner</b> MINH DINH	<b>Art Unit</b> 2432	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 August 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-3,5,7-10,12,14-17,19 and 21-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3,5,7-10,12,14-17,19 and 21-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                    | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Amendment***

1. This office action is in response to the amendment filed on 08/13/09. Claims 1, 8-10, 12, 14-17, 19, 21 and 26 have been amended.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1-3, 5, 7-10, 12, 14-17, 19 and 21 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-3, 5, 7-10, 12, 14-17, 19 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kilkkila (US 6,854,060) in view of Burke et al. ("Simulation In A Distributed Mobile Switching Center Environment") and Garg et al. (US 7,434,257). Kilkkila discloses a method for dynamically modifying an access right profile including a set of user authorized resources in a telephone switching system (Abstract).

5. Regarding claims 1, 8 and 15, Kilkkila specifically discloses a method for restricting access to a set of resources comprising:

determining a set of authorized resources for which a user is authorized to access, i.e., determining access right profile for a user in a phone switching system (fig. 2, step 20; col. 2, lines 22-27);

obtaining state information about the set of authorized resources, i.e., obtaining information about the phone switching system and its resources, e.g., time of day and number of users, system utilization rate, network utilization rate, etc. (col. 2, lines 29-50);

evaluating availability of the set of authorized resources by comparing the state information about the set of authorized resources against a configurable rule associated with one or more resources in the set of authorized resources, i.e., comparing the obtained state information against a condition/limit/threshold specified in a rule in the access right profile, and determining if there is a need to modify the set of authorized resources, e.g., when there are more users at day time, when the system utilization rate exceeds a threshold, when an alarm situation arises, when user's session duration, number of operations used/sessions held exceed a limit, etc. (fig. 2, steps 21-24; col. 4, lines 20-62);

in response to evaluating availability of the set of authorized resources using the configurable rule, generating a list of a set of entitled resources for the user, wherein the set of entitled resources is a subset of the set of authorized resources, i.e., modifying the access right profile such that less access rights are authorized (fig. 2, step 25; col. 2, lines 9-15; col. 4, lines 20-62);

preventing the user from accessing resources that are in the set of authorized resources but that are not in the set of entitled resources, i.e., allowing the user to access only resources in the set of entitled resources (col. 4, lines 20-62).

Kilkkila does not disclose utilizing the phone switching system in a distributed environment. Burk discloses utilizing phone switching systems in a distributed environment (Abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the phone switching system in a distributed environment, as taught by Burk. Distributed systems have the potential to permit growth many times the size of an individual unit within that system.

Kilkkila discloses performing the method for all users such that the access right profiles of all users are modified in response to a predetermined situation occurring in the system (e.g., time of day) regardless of whether any user requests to access the system or not. Kilkkila does not disclose performing the method on an individual basis such that only the access right profiles of those who request to access the resource(s) are modified. Garg also discloses a method for providing dynamic authorization according to dynamic factor such as time of day wherein a user access right profile (i.e., client context) is modified only when the corresponding user requests to access a resource(s) (Abstract; fig. 5A, steps 515-540 and corresponding text). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kilkkila's method such that it is performed on an individual basis and in response to receiving a user's request to access a resource, as taught by Garg, so that only the access right profiles of those who requested to access the resource(s) would be modified.

Art Unit: 2432

6. Regarding claims 2, 9, and 16, Kilkkila further discloses sending an indication of the set of entitled resources to the user, i.e., requests to access resources not in the set of entitled resources are not authorized (col. 4, lines 20-62).

7. Regarding claims 3, 10 and 17, Kilkkila further discloses responding to requests for the user to access the set of entitled resources (col. 4, lines 20-62).

8. Regarding claims 5, 12 and 19, Kilkkila further discloses considering user attributes of the user while evaluating availability of the set of authorized resources (col. 2, lines 22-37).

9. Regarding claims 7, 14 and 21, Kilkkila discloses gathering state information using a monitoring application. Kilkkila does not disclose gathering state information using a distributed monitoring application; however, it would have been obvious by the combination of using Kilkkila's switching system in Burk's distributed environment to use a distributed monitoring application for gathering state information.

10. Claims 22-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kilkkila in view of Burke as applied to claims 1, 8 and 15 above, and further in view of Grainger (US 2002/0161733).

Regarding claims 22, 24 and 26, Kilkkila does not disclose providing the user with a web page including only URI for resources that the user can access. Grainger discloses providing a user with a web page (i.e., a home page) including only URI for resources that the user can access (par. 0053-0054). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combined method of Kilkkila and Burke to provide the user with a web page including

Art Unit: 2432

only URI for resources that the user can access, as taught by Grainger. The motivation for doing so would have been to let the user know what can or cannot be accessed.

Regarding claims 23, 25 and 27, Kilkkila does not disclose providing users with access to different resources according to their status. Grainger discloses providing users with access to different resources according to their status, i.e., roles (par. 0052-0054). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combined method of Kilkkila and Burke to provide users with access to different resources according to their roles, as taught by Grainger. An advantage of role-based access control is efficient management of access to resources.

### ***Conclusion***

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Art Unit: 2432

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH DINH whose telephone number is (571)272-3802. The examiner can normally be reached on Mon-Fri: 09:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Minh Dinh/  
Primary Examiner, Art Unit 2432

11/22/09